

Receiving Report

Date: 12/19/3 Batch No: 1123218
 Supplier: Thyssen Dart P/O: 17814
 Packing Slip: Yes ☒ No ☐ Release Note Attached: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒ Waybill Attached: Yes ☒ No ☐
 Receipt: Cash ☐ Cr ☒ Shipment Complete: Yes ☒ No ☐
 QC6 Inspection ☒ Work Order 1123218

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12

Production/Admin: 12/19/3 Location
 Date
 Received/Costing
 Initial

H:\FORMS\Purchasing\approved purch\RECREPORT Rev D

All amounts are calculated in domestic currency.

Item Types	Recv Rate/ Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
012 4	SI02	48.1600	\$17.27	0.0000	0	\$831.74
012 8	SI02	96.3300	\$13.37	0.0000	0	\$1,287.58
012 8	SI02	96.3300	\$8.79	0.0000	0	\$846.28
012 1	SI02	12.0400	\$38.14	0.0000	0	\$459.17
012 3	SI02	36.0000	\$0.75	0.0000	0	\$26.85
Total Received Quantity:						288.8600
Total Qty to Inspect (PO U/M):						0.0000
Total Reject Quantity:						0.0000
Total Receipt Value:						\$3,451.63
Total Balance Due Quantity:						0.0000

B I L L O F L A D I N G

No: PEC 788028

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

Ship Date 01Oct12 at 10:40 From PFW
Probill

Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-493154- 1 Your PO # 17814
ALUMINUM PLATE 7075-T651

1.250" THICK X 2.0000" X 144.5000"

Heat Number Tag No
208766 109278

Quantity PCS Wt LBS
8.03 SFT 4 159

MTR'S

2) Our Order PEC-493154- 2 Your PO # 17814
ALUMINUM PLATE 7075-T651

.375" THICK X 5.0000" X 144.5000"

Heat Number Tag No
P16724 109279

Quantity PCS Wt LBS
40.14 SFT 8 222

MTR'S

3) Our Order PEC-493154- 3 Your PO # 17814
ALUMINUM PLATE 7075-T651

1.250" THICK X 1.0000" X 144.5000"

Heat Number Tag No
208766 109280

Quantity PCS Wt LBS
8.03 SFT 8 162

MTR'S

4) Our Order PEC-493154- 4 Your PO # 17814
ALUMINUM PLATE 7075-T651

1.00" THICK X 5.0000" X 144.5000"

Heat Number Tag No
212001 109281

Quantity PCS Wt LBS
5.02 SFT 1 78

MTR'S

5) Our Order PEC-493154- 5 Your PO # 17814
ALUMINUM ROUND BAR 6061-T6511

.562" DIA X 144.0000"

Heat Number Tag No
201207091 109192

Quantity PCS Wt LBS
36 FT 3 11

MTR'S

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

No: PEC 788028

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

Ship Date 01Oct12 at 10:40 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

	Tags	PCS	LBS
TOTAL:	5	24	632

Heat Number
201207091

*** Chemical Analysis ***

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH
MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 2 BDS G.W 664 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 2 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements directed therein, including any specifications forming a part of the description and that samples representative of the material meet the composition limits and that the mechanical properties shown on the face of this sheet. This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or omissions in this certificate by any recipient may be punished as a felony under applicable law.

Malcolm Murphy
Director of Inspection Davenport Works

Terrance Thom
Quality Assurance Manager

1283122
Ship Date 2011-08-26 B.I. No. 0 Invoice No. 00000 Alcoa No. Item 1000304296-1 DS-04296-1
P.O. No./Govt Contract No. 5400106232 Ln#: 0010 Customer: ALCOA Item: ALCOA Item

Page 1 of 3

Ship To: COPPER & BRASS SALES INC
5441 NE 148TH AVENUE
SUITE 106
PORTLAND 97230 OR

Item Description
1.28 IN TK (+.094 -0.00) X 60.5 IN W (+.375 -0.000) X 144.5 IN LN (+.5 -0.0) CAT X 090900-2 (N) A/T 7075-7651 RECTANGULAR MILD FINISH, SAME
ALFIR00995. EXC TK TL AMS-QQ-A-250/12 IS 2007 EXC_MRK, TK TL AMS4045 REV K EXC_MRK, TK TL ASTM B209
REV 07 ((MARKED)) KRAFT PAPER
INTERLEAVED MAX GROSS SKID WGT: 5000 LB QUAN TOL +/-
40 * COR 0210230 REV 08 CUST REQ 11-07-27 *** W/E 11-07-30 ***

num	Package Ticket	Weight	Quantity	UOM	Inspector	Clock Numbers
1	328772	208766	1	PC	47359	
2	328772	208767	2	PC	47359	
3	328772	643872	1	PC	47359	
4	328781	208756	1	PC	47359	
5	328781	643872	1	PC	47359	
6	329513	643871	2	PC	46898	
		9485	8			

Notes for COR: 0210230.8
PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF AMS-QQ-A-250/12 ALSO MEETS THE REQUIREMENTS OF QQ-A-250/12. PROD OCT
PRODUCED AND MARKED TO THE REQUIREMENTS OF QQ-A-250/12 P ALSO MEETS THE REQUIREMENTS OF AMS-QQ-A-250/12

COR: 0210230.8 -Specification Limits

Temp Dir UTE YTS ELAD
T651 Long Transv. KSI KSI PCT
Max 77.0 67.0 6
Min

DELIVERY PCS

240 PO#

2078382
QC APP

Rec # 242311

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Beltsford, IA 52722

Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and final samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet. This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Malcolm Murphy
Director of Manufacturing Davenport Works
Terrence Thon
Quality Assurance Manager

1283122 Ship Date
2011-08-26 B.L. No. 6305469 Invoice No. 00000 Alcoa No. Item 1000304296-1 DS-04296-1
P.O. No./Govt Contract No. 5400106232 Ln#: 0010 Customer Alcoa Item
COPPER & BRASS SAL G041094467R08

CGR: 0210230.8 -Specification Limits (cont.)

Chemical Composition SI FE CU MN MG CR ZN TI Other
Max 0.40 0.50 2.0 0.30 2.9 0.28 6.1 0.20 0.05 0.15
Min 1.2 2.1 0.18 5.1
REMAIN

Alloy 7075 - Mechanical, Physical, Metallography, Quantometer Results
Lot: 208766
Temp Dir Long Transv. 3 Test UTS KSI 85.8 77.1 11.1
T651 86.1 77.4 11.1
85.9 77.1 10.3

Cast Number Chemical - OBS SI FE CU MN MG CR ZN TI
H8317021 Actuals 0.07 0.28 1.6 0.04 2.5 0.18 5.6 0.02
Lot: 208767 - Mechanical, Physical, Metallography, Quantometer Results
Temp Dir Long Transv. 3 Test UTS KSI 85.5 76.7 11.2
T651 85.6 76.8 11.2

Cast Number Chemical - OBS SI FE CU MN MG CR ZN TI
H8317021 Actuals 0.07 0.28 1.6 0.04 2.5 0.18 5.6 0.02
Lot: 643871 - Mechanical, Physical, Metallography, Quantometer Results
Temp Dir Long Transv. 3 Test UTS KSI 83.6 75.2 11.3
T651 83.2 74.6 11.3

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material met the composition limits and had the mechanical properties shown on the face of this sheet. This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

1283122 Ship Date 0 B.L. No. Invoice No. Alcoa No. Item
2011-08-26 6305469 00000 1000304296-1 DS-04296-1
P.O. No./Govt Contract No. Customer Alcoa Item
5400106232 Ln#: 0010 COPPER & BRASS SAL G041094467R08

Director of Manufacturing Davenport Works
Talbott Murphy
Terrence Thom
Quality Assurance Manager

Page 3 of 3

Lot: 643871 - Mechanical, Physical, Metallurgy, Quantometer Results (cont.) -----
Cast Number Chemical - OES SI FE CU MN MG CR ZN TI
H8317021 Actuals 0.07 0.28 1.6 0.04 2.5 0.18 5.6 0.02
Lot: 643872 - Mechanical, Physical, Metallurgy, Quantometer Results -----
No-> UTS TYS ELAD
Temp Dir Test
T651 Long Transv. 3 KSI KSI PCT
84.7 76 10.8
84.5 76 11
85.9 76.7 11.2
Cast Number Chemical - OES SI FE CU MN MG CR ZN TI
H8317021 Actuals 0.07 0.28 1.6 0.04 2.5 0.18 5.6 0.02

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

Constellium Valais SA

CH-3960 Sierre
Suisse

Global Aerospace, Transportation and Industry
Europe - ATI Valais, Sierre and Steg plants

Tel : +41 (0) 27 457 51 11
http://www.constellium.com



CONSTELLIUM ROLLED PRODUCTS
RAVENSWOOD, LLC

US -26164 RAVENSWOOD

INSPECTION CERTIFICATE

According To EN 10204-3.1
Disp. Advice / Cert 0080211719
Date 29/08/2011 Page 1

Your Order 5400106058-R01

Project

Dated 03/06/2011

Our Confirmation No. 130361-40

Customer No. 606281

Sales Contact Fabienne Salamin
++41 (27) 457 6432

Certificate Dpt : 41 27 457 66 92

Aluminium plates in AA7075-T651, mill finish, slightly oiled,
To AMS QQ-A-250/12, ASTM B209-07, AMS 4045/J and SIE0002-05
Alumitex paper interleaved

Your article : 012-000289 - 7075-T651

Lot	Production No.	Weight	Quantity	Dimensions
P16724	6222491	3183.42 Lbs	12	0.375" x 48.50" x 144.50"

Mechanical and technological properties

Sample	Temper	Ps-UTS	Ps-YS	A%2inch	HB
min-max	T651	>=78000	>=87000	>=9	
min-max					

Measured values

P16724	T651	87000	79000	12	175
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Chemical composition

Required composition (% by weight)

Casting No	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti
Min			1.2		2.1	.18		5.1	
Max	.40	.50	2.0	.30	2.9	.28	.05	6.1	.20

Analysis results (% by weight)

Other elements: Each <= 0.05% Total <= 0.15%

11931291	0.07	0.2	1.37	0.039	2.54	0.19	0.0055	5.68	0.023
----------	------	-----	------	-------	------	------	--------	------	-------

Remark

This certificate of conformance verifies that the organization took effective control of quality to meet the specified requirements on both the sales order(s) and the customer purchase order(s)

*** COUNTRY OF ORIGIN AND MANUFACTURE : SWITZERLAND ***

G. Antille
Inspection Department
Valid without signature (Q)



DELIVERY 2407078406
PCS 8 .PON P&C 24234
QC APR 17

2

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements specified therein, including any specifications forming a part of the description and test samples representative of the material met the mechanical properties shown on the face of this sheet. This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The recording of false, fictitious or otherwise fraudulent statements or omissions in this certificate by any recipient may be punished as a felony under applicable law.

Director of Manufacturing Davenport Works
Terrence Thom
Quality Assurance Manager

1283122 Ship Date 0 B.L. No. Invoice No. Alcoa No. Item
2011-08-26 6305469 00000 1000304296-1 DS-04296-1
P.O. No./Govt Contract No. Customer Alcoa Item
5400106232 Lnh#: 0010 COPPER & BRASS AL 3041054467R08

Page 1 of 3

Ship TO: COPPER & BRASS SALES INC
5441 NE 148TH AVENUE
SUITE 106
PORTLAND 97230 OR

Item Description
1.28 IN TK (+.094 -0.00) X 60.5 IN W (+.375 -0.00) X 144.5 IN LN (+.5 -0.0) CAT X 090900-2 (N) A/T 7075-
T651 RECTANGULAR MILL FINISH, SAVED
ALFTR00995. EXC TK TL (AMS-QQ-A-250/12) S 2007 EXC_MRK,
TK TL AMS4045 REV K EXC_MRK, TK TL ASTM209
REV 07 ((MARKED)) KRAFT PAPER
INTERLEAVED MAX GROSS SKID WGT: 5000 LB QUAN TOL +/-
40 & COR 0210230 REV 08 CUST REQ 11-07-27 *** W/E 11-07-30 ***

Item	Package Ticket	Lot	Weight	Quantity	UOM	Inspector	Clock Numbers
1	328772	228266	1185	1	PC	47359	
2	328772	268767	2370	2	PC	47359	
3	328772	1185	1185	1	PC	47359	
4	328781	208756	1188	1	PC	47359	
5	328781	643872	1189	1	PC	47359	
6	329513	643871	2368	2	PC	45898	
			9485	8			

Notes for COR: 0210230.8
PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF AMS-QQ-A-250/12 ALSO MEETS THE REQUIREMENTS OF QQ-A-250/12. PROD OCT
PRODUCED AND MARKED TO THE REQUIREMENTS OF QQ-A-250/12 F ALSO MEETS THE REQUIREMENTS OF AMS-QQ-A-250/12

COR: 0210230.8 -Specification Limits

Temp D.I.T. Max Min
T651 Long Transv. KSI KSI PCT
77.3 67.0 6

DELIVERY 240 2078400
PCS 8 PO# 242311
QC APPR

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bellendorf, IA 52722

Ship From: RIVERDALE, IA.

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Malcolm Murphy
Director of Manufacturing Davenport Works
Terrence Thom
Quality Assurance Manager

1283122
Ship Date 0
B.I. No. Invoice No. Alcoa No. Item
2011-08-26 6305469 00000 1000304296-1
P.O. No./Govt Contract No. Customer Alcoa Item
5400106232 Inv#: 0010 COPPER & BRASS SAL G041094467R08 DS-04296-1

Page 2 of 3

COR: 0210230.8 - Specification Limits (cont.)

Chemical Composition SI FE CU MN MG CR ZN TI Each Total Aluminum Other

Alloy 7075 Max 0.40 0.50 2.0 0.30 2.9 0.28 6.1 0.20 0.05 0.15
Lot: 208766 Min 1.2 2.1 0.18 5.1
- Mechanical, Physical, Metallography, Quantometer Results REMAIN

Temp Dir 3 UTS TYS ELAD
T651 Long Transv. 85.8 77.1 11.1
86.1 77.4 11.1
85.9 77.1 10.3

Cast Number Chemical - OES SI FE CU MN MG CR ZN TI
H8317021 Actuals 0.07 0.28 1.6 0.04 2.5 0.18 5.6 0.02
Lot: 208767 - Mechanical, Physical, Metallography, Quantometer Results

Temp Dir 3 UTS TYS ELAD
T651 Long Transv. 85.5 76.7 11.2
85.6 76.8 11.2

Cast Number Chemical - OES SI FE CU MN MG CR ZN TI
H8317021 Actuals 0.07 0.28 1.6 0.04 2.5 0.18 5.6 0.02
Lot: 643871 - Mechanical, Physical, Metallography, Quantometer Results

Temp Dir 3 UTS TYS ELAD
T651 Long Transv. 83.2 74.6 11.3
83.2 74.6 11

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

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1283122 Ship Date 0 B.I. No. Invoice No. Alcoa No. Item DS-04296-1
2011-08-26 6305469 00000 1000304296-1 Alcoa Item
P.O. No./Govt Contract No. Customer Alcoa Item
5400106232 Ln#: 0010 COPPER & BRASS SAL G041094467R08

Director of Manufacturing Davenport Works
Tarence Thom
Quality Assurance Manager

Lot: 643871	- Mechanical, Physical, Metallurgy, Quantometer Results (cont.)	-----
Cast Number	Chemical - OES	SI FE CU MN MG CR ZN TI
H8317021	Actuals	0.07 0.28 1.6 0.04 2.5 0.18 5.6 0.02
Lot: 643872	- Mechanical, Physical, Metallurgy, Quantometer Results	-----
	No->	UTS TYS ELAD
Temp	Dir	Test
T651	Long Transv.	3
		KSI KSI PCT
		84.7 76 10.8
		84.5 76 11
		85.9 76.7 11.2
Cast Number	Chemical - OES	SI FE CU MN MG CR ZN TI
H8317021	Actuals	0.07 0.28 1.6 0.04 2.5 0.18 5.6 0.02

This material was melted in the United States or a Qualifying Country [REF DFARS 225.872.1(a)]; it was manufactured in the United States

CERTIFIED INSPECTION REPORT

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Per:

Rob Woodall

Director of Manufacturing Davenport Works

Terrence Thom
Quality Assurance Manager

Page 1 of 3

1418427
Ship Date 0 B.L. No. Invoice No. Alcoa No. Item
2012-08-16 7279278 00000 1000400830-3 DP-00830-3
P.O. No./Govt Contract No. Customer Alcoa Item
5400149413 C&B G041094912R10

Ship To: COPPER & BRASS SALES INC
1015 SAINT JEROME ST.
MISHAWAKA 46544 IN

Item Description
1.03 IN TK (+.094 -0.00) X 60.5 IN W (+.375 -
0.000) X 144.5 IN LN (+.5 -0.0) CAT X 090893-9 (N) ~~AT~~ 7075-
T651 RECTANGULAR MILL FINISH, SAMED ALFLR00994. (AMS-QQ-A-
250/12 IS) 2007 EXC MRK AMS4045 REV K
EXC MRK ASTM B209 REV 10 ((MARKED))
KRAFT PAPER INTERLEAVED
MAX GROSS SKID WGT: 4500 LB QUAN TOL +/-
40 % CQR 0210606 REV 10 CUST REQ 12-08-
08 *** W/E 12-08-11 ***

Num	Package Ticket	Lot	Weight	Quantity	UOM	Inspector	Clock Numbers
1	439372	211999	954	1	PC	47355	
2	439372	212001	954	1	PC	47355	47406
3	439372	549531	954	1	PC	47355	47406
4	439372	549532	954	1	PC	47355	
5	439402	211999	957	1	PC	47355	
6	439402	212001	957	1	PC	47355	47406
7	439402	549531	957	1	PC	47355	47406
8	439402	549532	959	1	PC	47355	
9	439408	211999	956	1	PC	47355	
10	439408	212001	955	1	PC	47355	47406
11	439408	549531	955	1	PC	47355	47406
			10512	11			

Notes for CQR: 0210606.10
PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF AMS-QQ-A-250/12 ALSO MEETS THE REQUIREMENTS OF QQ-A-250/12F. PROD UCT
PRODUCED AND MARKED TO THE REQUIREMENTS OF QQ-A-250/12 F ALSO MEETS THE REQUIREMENTS OF AMS-QQ-A-250/12.

CQR: 0210606.10 -Specification Limits

Temp Dir	UTS	TYS	EL4D
T651 Long Transv.	KSI	KSI	PCT
	Max		
	Min	77.0	67.0
			6

From: Copper and Brass Sales
Cust: THYSSENKRUPP MATERIALS NA - ECAD Del: 2402078396
Part: PO: PEC# 242311
Wgt: 78.000 LB Date: 09/26/2012

James H. Baker

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

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Rob Woodall

Rob Woodall
Director of Manufacturing Davenport Works

Terrence Thom
Quality Assurance Manager

Page 2 of 3

1418427	0	Invoice No.	Alcoa No. Item
Ship Date	B.L. No.	Customer	ALCOA Item
2012-08-16	7279278	00000	1000400830-3
P.O. No./Govt Contract No.	Customer	ALCOA Item	DP-00830-3
5400149413	C&B	G041094912R10	

COR: 0210606.10 - Specification Limits (cont.)

Chemical Composition										Other	
										Total Aluminum	
Alloy 7075											
Lot: 211999										REMAIN	
- Mechanical, Physical, Metallography, Quantometer Results											
Temp	Dir	Test	UITS	TYS	ELAD						
T651	Long Transv.	3	82.2	72.5	13.1						
			82.6	73.6	12.5						
			82.3	72.6	12.8						
Cast Number											
H9016014											
Lot: 212001											
- Mechanical, Physical, Metallography, Quantometer Results											
Temp	Dir	Test	UITS	TYS	ELAD						
T651	Long Transv.	3	82.8	73.5	13.3						
			83	74.3	12.7						
			82.7	72.9	12.7						
Cast Number											
H9016014											
Lot: 549531											
- Mechanical, Physical, Metallography, Quantometer Results											
Temp	Dir	Test	UITS	TYS	ELAD						
T651	Long Transv.	3	82.6	73.1	12.2						
			82.5	73.7	11.9						
			82.5	72.9	12.1						

From: Copper and Brass Sales

Cust: THYSSENKRUPP MATERIALS NA - ECAD Del: 2402078396

Part: PO: PEC# 242311

Wgt: 78.000 LB

Date: 09/26/2012

James H. Baber

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T651
1.250" THICK X 2.000" X 144.5000"
PART NO.

PO/Rel 17814

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

10ct12
Pg 1/1

Signed by: *Alvin J. Wiggins*
Attn: *Alvin J. Wiggins*

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

SERVICE CENTER METALS
5850 Quality Way
Prince George, VA 23875



OUR ORDER NUMBER	ITEM
149203	3

BILL TO	MANIFEST NUMBER	DIE NUMBER	DATE OF SHIPMENT	CERTIFICATION
ThyssenKrupp Materials NA	158335	RD0370	5/2/2012	ASTM-B221-12 No Stencil
SHIP TO	CUSTOMER PO	ALLOY/TEMPER	SALESPERSON	SPECIFICATION
ThyssenKrupp Materials NA PEC	PEC-238591	6061-T6511	David Schroeder	AMS-QQA-20018
Quantity Certified	CUSTOMER PART NUMBER	DESCRIPTION		
1,332 lbs	RD0370	Lightning Rod Title 0.562 +.004/- .003		

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Mechanical Properties		Test Date		Ultimate Tensile Strength (KSI)		Yield Strength (KSI)		Percent Elongation	
Tests	Lot No.								
1	201207091		04/24/12	50.6	48.9	48.9	14.9		
2	201207091		04/24/12	50.7	48.7	48.7	13.6		

Scrub

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others	
										Each	Total
041425	6061	0.76	0.35	0.34	0.09	0.87	0.10	0.06	0.02	0.05	0.15
041523	6061	0.77	0.39	0.32	0.09	0.86	0.10	0.06	0.02	0.05	0.15

Melt Source:
United States of America

Print Date: 5/2/2012

Calvin J. Wiggins, Director of Quality & Technical Services

Rev 9/23/11 - JMS

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577

OUTSTANDING PO REPRINT

Purchase Order ID PO17814

Purchase Order Date 8/31/12

PO Print Date 9/24/12

Page Number 1 of 3

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name
Vendor Phone 905 669 9444
Vendor Fax 905 738 9033
Vendor Account Nbr

Buyer Chantal Lavoie
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

REVISED

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty	Unit Price	Extended Price
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Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

123218

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
5	M7075T6B1.250X2.000	7075-T6 BAR 1.250" X 2.000"	9/28/12 Yes	48.00 f	Yours ppd 48.16	\$16.9800	\$815.04 ✓

Special Inst: MATERIAL: 7075-T6 OR
T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER AMS-QQ-A-225/9 OR AMS
4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-
250/12 CUT FROM PLATE

Line Total: \$815.04 ✓

6	M7075T6B5.000X0.375	7075-T6 BAR 5.000" X 0.375"	9/28/12 Yes	96.00 f	Yours ppd 10596.33	\$13.1417	\$1,261.60
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PO Instructions: QUOTATION # : PEC ST-479347

9/24/12

PEC 12/4/12-3

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577

OUTSTANDING PO REPRINT

Purchase Order ID PO17814

Purchase Order Date 8/31/12

PO Print Date 9/24/12

Page Number 2 of 3

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms Net 30

Currency CAD

FOB Destination-Collect

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty	Unit Price	Extended Price
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Special Inst: MATERIAL: 7075-T6 OR
T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER AMS-QQ-A-225/9 OR AMS
4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-
250/12 CUT FROM PLATE

Line Total: \$1,261.60

7 M7075T6BAR1.250X1.000 7075-T6 BAR 1.250" X
1.000"

9/28/12
Yes

96.00 Yours ppd

\$8.6375

\$829.20 ✓

f 196.33

Special Inst: MATERIAL: 7075-T6 OR
T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER AMS-QQ-A-225/9 OR AMS
4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-
250/12 CUT FROM PLATE

Line Total: \$829.20

8 M7075T6B5.000X1.000 7075-T6 BAR 5.000" X
1.000"

9/28/12
Yes

12.00 Yours ppd

\$37.4958

\$449.95 ✓

12.50

4/2/13

PO Instructions: QUOTATION # : PEC ST-479347

9/24/12

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577

OUTSTANDING PO REPRINT

Purchase Order ID PO17814

Purchase Order Date 8/31/12

PO Print Date 9/24/12

Page Number 3 of 3

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms Net 30

Currency CAD

FOB Destination-Collect

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty	Unit Price	Extended Price
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Special Inst: MATERIAL: 7075-T6 OR
T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER AMS-QQ-A-225/9 OR AMS
4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-
250/12 CUT FROM PLATE

Line Total: \$449.95

M6061T6R0.563

6061-T6 ROUND BAR .563

9/28/12

Yes

36.00 Yours ppd

f

\$0.7333

\$26.40

Special Inst: 6061-T6 (OR 6061-T651/ T6510/
T6511/ T62) ROUND BAR
QQ-A-225/8 OR AMS-QQ-A-225/8 OR
(AMS 4117/4128/4115/4116)
OR QQ-A-200/8OR AMS-QQ-A-200/8
JOR AMS 4160)
OR ASTM B211 OR ASTM B221

Line Total: \$26.40

Outstanding PO Total: \$3,382.19

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

PO Instructions: QUOTATION # : PEC ST-479347

Change Nbr: 3

Change Date: 9/24/12

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required - YES NO